

VARYUKHINA, L.V.; NECHAYEVA, O.N.; PUSHKAREVA, Z.V.

N-oxide of 2-methoxy-6-chloro-9-aminoacridine. Metod. poluch.
khim. reak. i prepar. no. 11:84-87 '64. (MIRA 18:12)

1. Ural'skiy politekhnicheskiy institut. Submitted April, 1964.

PENYUGALOVA, Z.P.; PUSHKAREVA, Z.V.

4,5-(2,3-phenazino)-imidazole. Metod. painch. khim. reak.
i prepar. no.11:97-98 '64. (MIRA 18:12)

1. Ural'skiy politekhnicheskii institut. Submitted April 1964.

PUSHKIN, V. I., inzh.; PEVZNER, B. I., inzh.

New equipment for the mechanization of storerooms. Mekh-i
avtom.proizv. 18 no. 5:43-45 My '64. (MIRA 17:5)

L 22654-65 EWT(m)/EPF(c)/EWP(j)/T/EWA(b) Pc-4/Pr-4 RPL RM/1

ACCESSION NR: AT5002134

S/0000/64/000/000/0241/0246

AUTHOR: Kokoshko, Z. Yu.; Chupakhin, O. N.; Smirnova, N. B.; Pushkareva, Z. V.

TITLE: Production of monomers and compounds for polycondensation from coal derivatives

SOURCE: AN SSSR. Institut neftekhimicheskogo sinteza. Sintez i svoystva monomerov (The synthesis and properties of monomers). Moscow, Izd-vo Nauka, 1964, 241-246

TOPIC TAGS: coal tar, quinaldine, isoquinoline, quinoline, condensation monomer, ion exchange resin, thermoplastic

ABSTRACT: The reactions of a 246-252 C coal tar fraction and of its main components, i.e., 30% quinaldine, 30% isoquinoline and 40% quinoline, were studied to show that all the components of the fraction can be used to produce monomers and polymers. Optimum conditions were established for preparing 2-quinolylpropanediol, a condensation monomer, or 2-quinolylethanol, which can be converted to the monomer 2-vinylquinoline, with a maximum yield of 82%. Routes for producing ion exchange resins and thermoplastics from the obtained monomers were studied. New bis-thioamides of quinaldinic acid were synthesized from quinaldine, including derivatives of aromatic hydrocarbons, ethers,

Card 1/2

L 22654-65

ACCESSION NR: AT5002134

sulfones, ketones, pyridines, and amines. The amides can be used for producing polymers with chelate forming metals. Orig. art. has: 1 table, 1 diagram and 19 formulas.

ASSOCIATION: None

SUBMITTED: 30Jul64

ENCL: 00

SUB CODE: OC, MT

NO REF SOV: 002

OTHER: 004

Card

2/2

TSOY, L.A.; PUSHKAREVA, Z.V.; GRYAZEV, V.F.

Special characteristics and chemical transformations of carbazole.
Part 11: Synthesis and structure of phthaloyl derivatives of carbazole. Zhur.ob.khim. 34 no.1:284-290 Ja '64. (MIRA 17:3)

1. Ural'skiy politekhnicheskiy institut imeni S.M.Kirova.

CHVCHOVA, N.M.; FOMENKOVA, A.V.; SHINA, L.M.

Synthesis of hydrazides of natural amino acids. Part 1:
N'-substituted hydrazides of some natural amino acids.
Zhur. obshch. khim. 34 no. 5-1963:1212-1215, 1961. (MIRA 17:76)

1. Overlovskiy nauchno-issledovatel'skiy institut virusnykh
infektsiy.

RADINA, L.B.; AGLITSKAYA, K.V.; CHERRASOVA, A.I.; PUSHKAREVA, Z.V.

Derivatives of acridine. Part 4: Synthesis of N^a
-9-(6-chloro-2methoxy)acridyl- α -amino acids. Zhur. ob. khim.
34 no. 5:1543-1545 My '64. (MIRA 17:7)

1. Sverdlovskiy nauchno-issledovatel'skiy institut virusnykh
infektsiy.

BADINA, L.B.; KHVOROVA, N.M.; PUSHKAREVA, Z.V.

Synthesis of compounds in the series of natural α -amino acid hydrazides. Part 2: Hydrazides of some N-acetyl- α -amino acids and their derivatives. Zhur. ob. khim. 34 no.7:2140-2145 JI '64 (MIRA 17:8)

1. Sverdlovskiy nauchno-issledovatel'skiy institut virusnykh infektsiy.

PUSHKAREVA, Z.V.; PENYUGALOVA, Z.P.; BATULINA, R.Kh.

N-oxides of acridine derivatives containing a bis-(β -chloro-ethyl) amino group. Zhur. ob. khim. 34 no.7:2475-2476 J1 '64
(MIRA 17:8)

1. Ural'skiy politekhnicheskiy institut imeni S.M. Kirova.

MORSHTEYN, M.K.; FUSHKAREVA, Z.V.

Synthesis of carbazole-containing monazo dyes. Zhur. ob. Khim.
34 no.10:3370-3372 O '64. (MIRA 17:11)

1. Ural'skiy politekhnicheskii institut imeni S.M. Kirova.

MURSHTEYN, M.K.; PUSHKAREVA, Z.V.; GRYAZEV, V.F.

Absorption spectra of carbazole-containing o-hydroxy azo
dyes in the ultraviolet and visible regions of spectrum.
Zhur. ob. khim. 34 no.11:3673-3677 N '64 (MIRA 18:1)

1. Ural'skiy politekhnicheskii institut imeni S.M. Kirova.

CHUPAKHIN, O.N.; PUSHKAREVA, Z.V.; KOKOSHKO, Z. Yu.; KITAYEVA, V.G.

Reaction and derivatives of quinaldine. Part 5: Dehydration
of 2-quinolylpropanediol. Zhur. ob. khim. 34 no.11:3783-3785
N '64 (MIRA 18:1)

1. Ural'skiy politekhnicheskiy institut imeni S.M. Kirova.

TSOY, L.A.; PUSHKAREVA, E.V.; GRYZEV, V.F.

Some derivatives of 3-amino- and 3-formyl-9-alkyl-6,7-phthaloyl-carbazoles. Zhur.prikl.khim. 37 no.7:1589-1597 J1 '64.
(MIRA 18:4)

1. Ural'skiy politekhnicheskii institut imeni Kirova.

PUSNYI, Ya.P.

Functional state of the sympathetic part of the nervous system
with a varying sugar content in the blood, Dokl. AN SSSR 195
no.1:238-240 Mr '64. (KIRA 17:4)

I. Institut fiziologii im. I.P.Pavlova AN SSSR. Predstavleno
akademikom V.N.Chernigovskim.

ИЗВЕЩАНИЕ о работе, выполненной в 1964 г.

Исследования по созданию системы автоматического
управления движением объектов в пространстве.
(ИЗДАНИЕ 1964 г.)

Труды политехнического института имени Кирова.
Представлено академиком А.А.Березиным.

PENYUGALOVA, Z.F.; PUSHKAREVA, Z.V.; DUNAYEVA, L.V.; DARIYENKO, Ye.P.

Certain reactions of 2,3-diaminophenazine. Zhur.org.khim. 1
no.2:358-362 F '65. (MIRA 18:4)

1. Ural'skiy politekhnicheskiy institut imeni S.M.Kirova.

KUDRYAVTSEVA, N.A.; PUSHKAREVA, Z.V.; STARTSEVA, M.V.

Some derivatives of 10-methyl-3-aminophenothiazine. Zhur, org.khim.
1 no.2:364-366 F '65. (MIRA 18:4)

1. Ural'skiy politekhnicheskii institut imeni S.M.Kirova.

CHUFAKHIN, O.N.; PUSHKAREVA, Z.V.; KOKOSHKO, Z.Yu.; PODGORNAYA, M.I.

Reactions and derivatives of quinaldine. Part 3: Synthesis
and properties of thioquinaldine amides. Zhur. org. khim.
1 no.4:772-777 Ap '65. (MIRA 18:11)

1. Ural'skiy politekhnicheskii institut imeni Kirova.

KONYUKHOV, V.N.; SAKOVICH, G.S.; KRUPNOVA, L.V.; PUSHKAREVA, Z.V.

Synthesis and study of biologically active heterocyclic derivatives. Part 6: Some derivatives of 3,4-dihydropyrimidine. Zhur. org. khim. 1 no.8:1487-1489 Ag '65. (MIRA 18:11)

1. Ural'skiy politekhnicheskii institut imeni Kirova.

KUDRYAVTSEVA, N.A.; PUSHKAREVA, L.V.; MEYER, L. L.P.

Polarographic reduction of α -oximino and sulfones of the
phenothiazine series. Zhurn. obshch. khim. 37:1, 1964-17. Ja 1965.
(NIDA 18:2)

1. Ural'skiy politekhnicheskiy institut i Leni S.M. Miroya.

L 45929-66 EWT(m)/EWP(j) RM

ACC NR: AR6023263

SOURCE CODE: UR/0058/66/000/003/D030/D030

AUTHOR: Murshteyn, M. K.; Pushkareva, Z. V.; Gryazev, V. F. 37
B

TITLE: Spectroscopic investigation of the structure of azo-dyes of the diphenyl, diphenyl amine, and carbazole series

SOURCE: Ref zh. Fizika, Abs. 3D232

REF. SOURCE: Tr. Komis. po spektroskopii. AN SSSR, t. 3, vyp. 1, 1964, 360-368

TOPIC TAGS: organic azo compound, uv spectrum, optic spectrum, ir spectrum, spectrum analysis

ABSTRACT: On the basis of new azo- and diazo components, the authors synthesize more than 40 new glacial azo-dyes, derivatives of carbazole, diphenyl amine, and diphenyl. The ultraviolet and invisible spectra were investigated for them, and new data were obtained on the relation between the structure and chromacity of the obtained compounds. On the basis of the investigated spectra in the visible region, a comparison investigation was made of the structure of the azo-dyes of derivatives of diphenyl amine and diphenyl. As a result of a joint evaluation of the infrared spectra and

Cord 1/2

ACC NR: AR6023263

polarography data for the obtained compounds, which are ortho-oxy-dyes, it is concluded that they have an azo-structure. [Translation of abstract]

SUB CODE: 07,2C

Card 2/2

blg

PUSHKAREVO, S. A.

✓ 16646* (Russian.) Effect of Anions on Hydrate Formation, pH Value, and the Electro-Precipitation of Powdered Metal From Ferrous Sulfate Solution. O. vliyanii anionov na velichinu pH gidratoobrazovaniia i elektroosazhdeniia poroshkoobraznogo metallia iz rastvora sernokisllogo zheleza. A. I. Levin and S. A. Pushkarevo, Zhurnal Prikladnoi Khimii, v. 29, no. 8, Aug. 1956, p. 1223-1229.

Effect of valence, concentration of iron salt, and presence of organic compounds. Experimental data.

S/021/63/000/003/016/022
D405/D301

AUTHORS: Drayhor, D. A. and Pushkar'ov, V. V.

TITLE: Effect of reinforcing modes on physical state of hardened low-temper steel surface layers

PERIODICAL: Akademiya nauk UkrRSR. Dopovidi. no. 3, 1963, 369-371

TEXT: The results are given of an investigation on the effect of mechanical treatment (grinding and roller burnishing) on the inhomogeneity structure and microgeometry of hardened low-temper steel surface layers. The steels 45, 40X (40 Kh) and 11X15 (ShKh 15) were investigated. Prior to hardening the specimens were turned and after hardening, they were ground and then roller-burnished. The rollers were made of steel P18 (R18); the roller load varied between 50 and 600 kg. In the case of steel 45, the cleanest surface was obtained at a load of 150 kg; a further increase in load did not appreciably affect the cleanness of the surface. The microhardness of the surface layers varied as a function of grinding conditions (grinding speed and depth, presence or absence of cool-

Card 1/3

Effect of reinforcing ...

S/021/63/000/003/016/022
D405/D301

ing liquid). In the case of steel 45, with a grinding-wheel speed of 35 m/sec and a specimen speed of 16 m/min (wheel feed 10 mm/rev) the gradient of microhardness variation decreased with increasing roller load; the decrease was most noticeable for a load of 150 kg; in the case of steel 40Kh and ShKh15, for a load of 300 kg. The degree of decay of martensite was estimated by the width of the (110) α line in X-ray structural analysis of the surface layers of steel 45. The structural changes brought about by grinding penetrate into depth and form zones of secondary hardening and structural zones of high-temperature excess rate of tempering. An X-ray structural analysis of the steel ShKh15 showed that the surface layer is composed of martensite and 40% residual austenite. Rolling at 150 kg leads to mechanical failure and to the removal of secondary structures. An increase to 600 kg leads to a narrowing of the line (110) α and to an increase in the amount of residual austenite. There are 4 figures.

Card 2/3

Effect of reinforcing ...

S/021/63/000/003/016/022
D405/D301

ASSOCIATION: Instytut metalokeramiky ta spetssplaviv AN URSR
(Institute of Powder Metallurgy and Special Alloys
of the AS UkrRSR)

PRESENTED: by Academician F. P. Belyankin of the AS UkrRSR

SUBMITTED: April 19, 1962

Card 3/3

PUSHKAREVSKIY, A., prepodavatel' politzanyatiy

Parents help. Prof.-tekh. obr. 18 no.9:27 S '61. (MIRA 14:11)

1. Remeslennoye uchilishche No.1, g. Nikolayev.
(Nikolayev---Home and school)

S/120/62/000/001/046/061
E039/E485

AUTHORS: Shakhovskoy, G.P., Lavrov, I.A., Pushkinskiy, M.D.,
Gonikberg, M.G.

TITLE: Apparatus for determining the compressibility of
liquids

PERIODICAL: Priory i tekhnika eksperimenta, no.1, 1962, 181-183

TEXT: The apparatus consists of a metallic sylphon bellows filled with the liquid under investigation and subjected to external hydraulic pressure. The change in length of the sylphon bellows is proportional to the change in volume of the contained liquid under the applied pressure. A wire with high electrical resistance is attached to the bottom of the bellows and slides along a contact fixed to the outer containing wall of the apparatus. By passing a current through the wire, potentiometric measurements can be made between the sliding contact and the end of the wire, hence giving a measure of the change in length of the bellows. A correction is made for the change in resistance of the wire with pressure. Data is given on the compressibility of distilled water at 0°C and compared with the results of Bridgeman

Card 1/2

Apparatus for determining ...

S/120/62/000/001/046/061
E039/E485

(see Table). The maximum difference between the authors' results and those of Bridgeman is 0.12%. Yu.A.Rumyantsev participated in the work. There 2 figures and 1 table.

ASSOCIATION: Institut organicheskoy khimii AN SSSR
(Institute of Organic Chemistry AS USSR)

SUBMITTED: June 15, 1961

Card 2/3

PUSHKARSKAYA L.P.

KRUSHINSKIY, L.V.; PUSHKARSKAYA, L.P.; MOLODKINA, L.N.

Experimental investigation of cerebral hemorrhage induced by
nervous trauma. Vest.Mosk.un. 8 no.12:25-44 D '53. (MLRA 7:2)

1. Kafedra fiziologii vysshey nervnoy deyatel'nosti.
(Brain--Hemorrhage)

KRUSHINSKIY, L.V.; SEREYSKIY, M.Ya.; PUSHKARSKAYA, L.P.; FEDOROVA, G.I.

Experimental studys on a new antiepileptic. Zh. vys. nerv. deyat.
5 no.6:892-900 N-D '55. (MLRA 9:3)

1. Laboratoriya patofiziologii kafedry vysshey nervnoy deyatel'nosti
Moskovskogo universiteta gosudarstvennogo i Gosudarstvennyy institut
psikhiatrii RSFSR.

(ANITCONVULSANTS,

mixture of barbiturates, bromides, caffeine, calcium
gluconate & papaverin, eff. in animals.)

PUSHKAROV, GANCHO.

Sviaz v Bolgarii. [Communications in Bulgaria]. (Vestnik sviazi. Pochta, 1946, no. 4, p. 21-22). DLC: HE7.V44

SC: Soviet Transportation and Communications, A Bibliography, Library of Congress, Reference Department, Washington, 1952, Unclassified.

"The ...
"The ...
(Dolphins ...)

CC: List ...

(

SOV/21-59-9-11/25

AUTHORS: Hrozin, B.D., Corresponding Member AS UkrSSR, Drayhor, D.A., Pushkar"ov, V.V.

TITLE: The Effect of the Sequence of Mechanical Machining Operations on the Physical State of the Surface Layers of Crankshaft Pins of the C-80 Tractor

PERIODICAL: Dopovidi Akademiyi nauk Ukrayins'koyi RSR, Nr 9, 1959, pp 976-981 (USSR)

ABSTRACT: Referring to the preceding work [Ref 1], the paper brings forward that the structural state of the surface layers of the machine parts quenched with low temper on martensite does not only depend on the final machining operations, but also on the foregoing ones. It also suggests a selection of the sequence of machining operations especially for parts of low temper quenching. The principle of this selection consists in the following: the preceding operations should not form areas of structural dissimilarities on the component parts. In case such dissimilarities on the

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SOV/21-59-9-11/25

The Effect of the Sequence of Mechanical Machining Operations on the Physical State of the Surface Layers of Crankshaft Pins of the C-80 Tractor

metal are formed, the subsequent operation should completely eliminate them and not cause new ones. The sequence of technological processes for producing tractor crankshafts practiced at one of the USSR plants was: coarse grinding, quenching by high frequency current on martensite, semi-cleaning grinding, cleaning grinding and superfinish. It has however been stated that coarse grinding before quenching with high-frequency current causes the formation of burns which are not eliminated by subsequent operations including superfinishing. Since such burn areas left after finishing operations lead to a destruction of the surface layers of the crankshaft pins during work, they are not to be tolerated. An increased cleaning of the surface of crankshaft pins before quenching with high-frequency current by turning it with a sharp cutter or by grinding, ensures that the surface layers have no zones of structural changes.

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SOV/21-59-9-11/25

The Effect of the Sequence of Mechanical Machining Operations on the Physical State of the Surface Layers of Crankshaft Pins of the C-80 Tractor

The modes of machining remain identical. Thus, the effect of the preceding mechanical operations on the structural state of the surface layers of crankshaft pins quenched with high-frequency current has been completely proved. There are 2 graphs, 2 sets of photos, and 1 Soviet reference.

ASSOCIATION: Instytut budivel'noyi mekhaniky AN URSR (Institute of Construction Mechanics of the AS of UkrSSR)

SUBMITTED: February 20, 1959

Card 3/3

USSR/Cultivated Plants. Fruits. Berries.

M

Abstr Jour: Ref. Zhur-Biol., No 5, 1958, 20500.

Author : I.I. Pushkarskiy

Inst : Not given.

Title : The Inoculation and Variety Testing of the English Walnut.
(Okulirovka i sortoispytaniye gretskogo orekha).

Orig Pub: S. Kh. Tadzhikistana, 1956, No 8, 46-47.

Abstract: In the Stalinabad subtropical plot, the advantage of inoculating by the semiring method from the 10th to 20th of June. The non-inoculated saplings of the English walnut began to bear fruit by the 10-12th year, and the grafted ones by the 2nd year after planting. The best varieties which showed up in the variety testing were the Durmenskiy No. 1 and No. 2, the Groz-devidnyy and others.

Card : 1/1

PUSHKARSKIY, N.Yu.

[Geography of Russia; a brief courses] Geografiia Rossii; kratkii kurs. Hollywood, Calif., "Rodnye dali," 1957. 66 p.
(MIRA 14:11)

(Geography)

PUSHKARSKIY, P. P. (Eng.)

USSR (600)

Wrote about Projected Alma-Atinskaya (Alma-Ata Hydrotechnical Power Plant)
schematic map, near Alma-Ata, Alma-Atinskaya o., Kaza Khskaya SSR.

Soviet Source: P: Gidrotekhnicheskoye Stroitel'stvo, No. 3, Moskva, 1938.
Abstracted in USAF, "Treasure Island", on file in Library of Congress, Air
Information Division,
Report No. 97337

PUSHKARSKIY, S. D.

23410 OB OTBORE UCHASTNIKOV VSESoyuANOY S.-X. VYSTAVKI. SAD I OGOROD, 1949,
No 7, c. 52-59

SO: LETOPIS NO. 31, 1949.

SIDEL'KOVSKIY, L.N.; PUSHKARSKIY, S.M.

Cyclon-type unit for making weighting agents for drilling muds.
Bul. tekhn. ekon. inform. no.9:16-18 '59. (MIRA 13:3)
(Oil well drilling fluids)

SOV/19-58-6-25/685

AUTHORS: Verkhovskiy, I.M.; Pushkarskiy, S.M.; Gorbachev, V.S.; Muzylev, G.A. and Fridman, I.A.

TITLE: A Method of Obtaining Flushing Liquid (Sposob polucheniya promyvochnogo rastvora)

PERIODICAL: Byulleten' izobreteniy, 1958, Nr 6, p 10 (USSR)

ABSTRACT: Class 5a, 31. Nr 113504 (575172/MNP-2991 of 15 July 1955). Submitted to the Ministry of Petroleum Industry of USSR. 1) A method of obtaining a flushing liquid (consisting of a filler, clay, and reagents) for well drilling. To improve the quality by regeneration of the filler, the spent clay solution will be diluted with water to a specific weight of 1.25-1.3, and concentrated in a hydraulic cyclone with separation of the filler into the sand fraction. Large rock particles will then be eliminated from the mass on a sieve, and the remaining clay separated

Card 1/2

A Method of Obtaining Flushing Liquid

SOV/19-58-6-25/685

in a classifier. 2) A method variation, with addition of chemical reagents, e.g. an alkaly-coal reagent, and subsequent separation of the drilled rock and surplus water.

Card 2/2

SIDEL'KOVSKIY, L.N., kand. tekhn. nauk; SHURYGIN, A.P., kand. tekhn. nauk;
PUSHKARSKIY, S.M., inzh.

Use of a cyclone system for obtaining a high-quality weighting
compound for drilling mud from pyrite cinders. Trudy MEI no.48:
187-200 '63. (MIRA 17:6)

FRIDMAN, I.D.; SHCHETKINA, Ye.D.; ZAKHAROVA, Ye.S.; PUSHKARSKIY, S.M.

Techniques of producing high-grade weighting materials from pyrite
cinders. Trudy AzNII DN no.10:358-375 '60. (MIRA 14:4)
(Oil well drilling fluids)

PUSHKARU-SOROCHANU, E.[Puscaru-Soroceanu, E.]; TSUKRA, I.[Tucra, I.]

Steppe association and formation of Dobruja. Rev biol 6 no.3:349-367
'61.

DONITSA, N. [Donița, N.]; LEANDRU, V.; PASHKOVSKIY, S. [Pașcovschi, S.];
PUSHKARU-SOROCHANU, Ye. [Pușcaru-Soroceanu, E.]; SOCHAVA, V.

Legend to the geobotanical map of the Rumanian People's Republic
[with summary in English]. Bot. zhur. 43 no. 5:639-643 My '58.
(MIRA 11:7)

1. Institut geografii Rumynskoy Narodnoy Respubliki, Bukharest.
(Rumania--Phytogeography)

DURNOV, V.K.; BABUSHKIN, N.M.; PUSHKASH, I.I.; Prinimali uchastiye:
KOLMOGOPOV, A.V.; KLEPTSIN, V.G.; MASLENNIKOVA, E.G.;
GORACHEVA, A.V.; BARAKHVOSTOV, V.S.; RASIN, E.S.; ZEMLYAKOV,
A.A.; BAROSHINA, G.V.

Distribution of the temperature of the hot blast in the
tuyere passage of the blast furnace. Stal' 25 no.3:205-209
Mr '65. (MIRA 18:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut metallurg-
icheskoy teplotekhniki i Nizhne-Tagil'skiy metallurgicheskiy
kombinat (for Durnov, Babushkin, Pushkash).

KUPERMAN, P.I.; GRYAZNOV, N.S.; MOCHALOV, V.V.; FROLOV, V.V.; MUSTAFIN, F.A.;
PUSHKASH, I.I.; SLAVGORODSKIY, M.V.; LAZAREV, B.L.; BORISOV, V.I.;
Prinimali uchastiye: CHERKASOV, N.Kh.; ZABRODSKIY, M.P.; RYTCHENKO,
A.I.; RUTKOVSKAYA, Ye.N.; SAITBURGANOVA, N.I.; SHTAGER, A.A.;
SHISHLOVA, T.I.; BUDOL', Z.P.; MEN'SHIKOVA, R.I.; GORELOV, L.A.;
AGARKOVA, M.M.; KOUROV, V.Ya.; KOGAN, L.A.; BEZDVERNYI, G.N.;
POKROVSKIY, B.I.

Effect of the lengthening of the coking time on the coke quality and
testing of coke in the blast furnace process. Koks i khim. no.9:
23-28 '63. (MIRA 16:9)

1. Vostochnyy uglekhimicheskiy institut (for Kuperman, Gryaznov,
Mochalov, Kogan, Bezdvernyy, Pokrovskiy). 2. Ural'skiy institut
chernykh metallov (for Frolov). 3. Nizhne-Tagil'skiy
metallurgicheskiy kombinat (for Mustafin, Pushkash, Slavgorodskiy,
Lazarev, Cherkasov, Zabrodskiy, Rytchenko, Rutkovskaya,
Saitburganova, Shtager, Shishlova, Budol', Men'shikova).
4. Koksokhimstantsiya (for Borisov, Gorelov, Agarkova, Kourov).
(Coke—Testing)

YEL'KIN, S.A.; MILYAYEV, M.N.; PUSHKASH, I.I.; LAZAREV, B.L.

Acceleration of blast furnace smelting at the Nizhniy Tagil
Metallurgical Combine. Stal' 22 no.1:980-982 N '62.

(MIRA 15:11)

1. Ural'skiy nauchno-issledovatel'skiy institut chernykh metallov
i Nizhne-Tagil'skiy metallurgicheskiy kombinat.
(Nizhniy Tagil—Blast furnaces)

KISELI. D'verd' [Kissely, Gyorgy]. doktor; D'YENESH, Gezy, doktor
[translator]; P'SHKASH, lyono, doktor [translator]; ROMKHAN'I,
D'verd' , doktor, nauchnyy red.; EddI, K., otv. red.; BRODI, D.,
tekhn. red.

[Practical microscopic technic and histochemistry] Practicheskaya
mikrotekhnika i gistokhimiya. Budapest, Izd-vo Akad.nauk Vengrii,
1962. 399 p. (MIRA 14:12)

(MICROSCOPY) (HISTOCHEMISTRY)

PUSHKASH, I.I.; LAZAREV, B.L.; TATSIYENKO, I.A.

Forced operation of blast furnaces with larger diameter tuyeres.
Metallurg 9 no.7:10-12 J1 '64. (MIRA 17:8)

1. Nizhne-Tagil'skiy metallurgicheskiy kombinat.

PUSHKASH, D'yULA

USSR/ Biology - Botany

Card 1/1 Pub. 16/42

Authors : Pushkash, D'yula (Budapest)

Title : Forest reserves of Hungary

Periodical : Priroda 45/1, 93-95, Jan 56

Abstract : A certain uniqueness is found in the forest reserves of Hungary due to their having been located at places where special natural conditions preserved interesting forms of botanical life. Special forms listed are: *Lacerta vivipara*, *Tilia argentea*, *Ardea alba*, *Egretta galzetta*, *Botaurus stellaris*, *Ardea cinerea*, *Phalacrocorax carbo* and *Pinus turnociensis*. Illustrations.

Institution :

Submitted :

OSTROUKHOV, M.Ya.; PANCHENKO, S.I.; Primali uchastiye: FRISHBERG, V.D.;
PETROV, V.K.; RESHETKO, A.; VYATKIN, G.P.; BRATCHENKO, V.P.;
POFANOV, A.A.; MILYAYEV, M.N.; PRIVALOV, V.Ye.; MUSTAFIN, F.A.;
PUSHKASH, I.I.; LAZAREV, B.L.

Experimental blast furnace smelting using coke from wet
preparation coals. [Sbor. trud.] Nauch.-issl.inst.met.
no.4:63-70 '61. (MIRA 15:11)

1. Vostochnyy uglekhimicheskiy institut (for Ostroukhov, Panchenko,
Frishberg, Petrov, Reshetko). 2. Nauchno-issledovatel'skiy institut
metallurgii (for Vyatkin, Bratchenko). 3. Nizhne-Tagil'skiy
metallurgicheskiy kombinat (for Privalov, Mustafin, Pushkash,
Lazarev).

(Blast furnaces—Testing)
(Coke—Testing)

PUSHKAYEV, I.I., prof., doktor sel'skokhozyaystvennykh nauk, red.; AMBROSOV,
A.L.; STEFANISHIN, S.Ye.; ROYDO, A.I.; ALEKSEYCHIK, N.A.; AL'SMIK,
P.I.; OGNEV, I.M.; ADAMOV, I.I.; BUTYLIN, G., red.; LARIN, V., red.;
STEPANOVA, N., tekhn. red.

[Potato growing in White Russia] Kul'tura kartofelia v Belorusskoi
SSR. Pod red. I.I. Pushkareva. Izd.2., ispr. i dop. Minsk, Gos.
izd-vo BSSR, 1958. 356 p. (MIRA 11:7)
(White Russia--Potatoes)

FREYENTON, Ye.Z.; PUSHKASH, I.I.; LAFAYEV, B.L.; GLADYSHEV, V.I.

Characteristics of making vanadium cast iron from titano-
magnetite ores from the Kachkanar deposit. Stal' 25 no.6:
492-497 Je '65. (MIRA 18:6)

1. Nizhne-Tagil'skiy metallurgicheskiy kombinat.

BORISOV, Yu.S., kand. tekhn. nauk; KORNEV, V.K., inzh.; PUSHKASH, I.I., inzh.;
YANTSEN, B.D., inzh.; PAREN'KOV, A.Ye.; ZAVARNITSYN, D.A.

Using liquid fuel in blast furnaces of the Nizhniy Tagil
metallurgical combine. Stal' 25 no.6:497-503 Je '65. (MIRA 18:6)

1. Nizhne-Tagil'skiy metallurgicheskiy kombinat i Ural'skiy
nauchno-issledovatel'skiy institut chernykh metallov.

L 45222-66 FBO/EWP(c)/EWP(h) DE/WW

ACC NR: AP6015001 (A) SOURCE CODE: UR/0209/66/000/005/0041/0045

AUTHOR: Pushkin, A. (Air Force Lieutenant General, Military Pilot First Class)

ORG: none

TITLE: Search and attack of low-speed aerial targets by fighter-interceptors

SOURCE: Aviatsiya i kosmonavtika, no. 5, 1966, 41-45

TOPIC TAGS: aerial target, attack fighter aircraft, military training

ABSTRACT: The article deals with the seek-and-destroy missions against low-speed aerial targets by fighter-interceptors under conditions of modern warfare. Some details are given concerning the seeking, interception, and destroying of military transport aircraft and helicopters by modern fighter-interceptors in a tactical zone of operation. Maneuvers of a fighter-interceptor are described for the assault position on helicopters. Orig. art. has: 3 figures. [NT]

SUB CODE: 15/ SUBM DATE: none/

Card 1/1 hs

1052. PROBLEM OF FLAMELESS COMBUSTION. Judaykov, H. N. and Lushkin, -. (Izvest. Akad. Nauk, U.S.S.R., 1945, No.6, 545-553; Engrs. Digest, Aug. 1946, 392-394).

Some elementary experiments were performed on the combustion of a hydrocarbon gas in water-jacketed packed tubes. The maximum heat release was studied as a function of particle size of the filler at a given porosity of about 50% for corundum and fire brick. Three different tube widths were used: 32 mm., 48 mm., and 105 mm. The temperature of the filler was studied at various levels. No general conclusions are stated, although it is suggested that the use of such a technique may lead to ultimate combustion space savings.

KHMEL'NITSKAYA, Ye.L., prof., doktor ekon. nauk; VOLKOV, M.Ya.,
kand. ekon. nauk; BEL'CHUK, A.I., kand. ekon. nauk; IORDANSKAYA,
E.N., ml. nauchn. sotr.; MENZHINSKIY, Ye.A.; PAVLOVA, M.A.,
kand. ekon. nauk; VASIL'KOV, N.P., kand. ekon. nauk; ARDAYEV,
G.B., kand. ekon. nauk; VAL'KOV, V.A., kand. ekon. nauk;
TIMASHKOVA, O.K., kand. ekon. nauk; ANDREYEV, Yu.K., ml. nauchn.
sotr.; PUSHKIN, A.A., ml. nauchn. sotr.; MAKSIMOVA, M.M., kand.
ekon. nauk; KIRSANOV, A.V., kand. ekon. nauk; SHEBANOV, A.N.,
ml. nauchn. sotr.

[Changes in the economic structure of the countries of Western
Europe] ~~Izmeneniya~~ v ekonomicheskoi strukture stran Zapadnoi
Evropy. Moskva, Nauka, 1965. 433 p. (MIRA 18:9)

1. Akademiya nauk SSSR. Institut mirovoy ekonomiki i mezhdunarodnykh otnosheniy.

KRUGOVOY, Trifon Pavlovich; PUSHKIN, A.A., dots., otv. red.; KOVALEVA,
Z.G., red.; BELOKON', V.V., tekhn. red.

[Subject and method of economics; textbook for correspondence
school students] Predmet i metod politicheskoi ekonomii; uchebnoe
posobie dlia studentov zaocnogo fakul'teta. Khar'kov, Izd-vo
Khar'kovskogo gos.univ. im. A.M.Gor'kogo, 1960. 40 p.
(MIRA 15:1)

(Economics)

PUSHKIN, A. D.

MARKOV, V.A.; PUSHKIN, A.D.

The "Kreenholm Manufacture" combine is one hundred years old.
Tekst.prom. 17 no.6:4-6 Je '57. (MIRA 10:7)

1. Direktor Kombinata "Krengol'skaya Manufaktura" (for Markov).
2. Sekretar' nartkoma (for Pushkin).
(Kreenholm--Textile industry)

ACC NR: AP6035890

SOURCE CODE: UR/0413/66/000/020/0129/0129

INVENTOR: Lukashin, Yu. P.; Grodzyanskaya, T. M.; Pushkin, A. G.

ORG: None

TITLE: A method for seismic mapping of bedrock. Class 42, No. 187329 [announced by the All-Union Scientific Research Institute of Exploratory Geophysics (Vsesoyuznyy nauchno-issledovatel'skiy institut razvedochnoy geofiziki)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 20, 1966, 129

TOPIC TAGS: seismologic instrument, mapping

ABSTRACT: This Author's Certificate introduces a method for seismic mapping of bedrock. The procedure is based on determining the mutual correlation function of seismic detector recordings using a continuously moving vibrator. The effectiveness of seismic prospecting is increased by determining the mutual correlation function of the seismic detector recordings at the ends of the base of observations while continuously moving the vibrator on the linear continuation of the base. The signals are integrated over a time interval corresponding to the motion of the vibrator within the limits of the adjacent base of observations.

SUB CODE: 08/ SUBM DATE: 02Aug65

Card 1/1

UDC: 550.834.3

CA

Background dyes for raw silk. A. I. Pushkin. *Shelk* 1939, No. 5, 25; *Khim. Referat. Zhur.* 1939, No. 10, 111. - P. recommends the following "Glavkokraska" acid dyes: Naphthol Yellow, Acid Orange, Amaranth, Acid Bright-Red, Acid Violet, Acid Bright-Green 3, Naphthalene Green, Naphthol Blue-Black 10B. W. R. Henn

SOV/86-58-10-34/40

AUTHOR: Pushkin, A.I., Maj Gen of the Air Force, Hero of the Soviet Union; Sukhochev, N.P., Engr Col; and Vinnik, B.S., Engr Lt Col

TITLE: Obsolete Ideas Should be Revised (Peresmotret' ustarevshiye vzglyady)

PERIODICAL: Vestnik vozdushnogo flota, 1958, Nr 10, pp 83-84 (USSR)

ABSTRACT: The authors of this article are of the opinion that the idea that only engineer-mechanics (aircraft and engine specialists) should be appointed as supervisors of aviation engineering service is obsolete. In addition to airframe and engines, a modern aircraft consists of a great variety of very complicated equipment and armament. Proper maintenance of such aircraft requires the knowledge and skills of four engineers of different specialties. The authors, therefore, rec-

Card 1/2

Obsolete Ideas Should be Revised

SOV/86-58-10-34/40

ommend that aviation engineering service at all levels should be supervised by officers who have the necessary knowledge, experience, and qualifications of organizer, regardless of the department of an engineering institutions from which they graduated.

Card 2/2

KHMEL'NITSKAYA, Ye.L., doktor ekon. nauk, prof.; LEMIN, I.M., doktor
ist. nauk; MAKSIMOVA, M.M., kand. ekon. nauk; GONCHAROV, A.N.,
kand. ekon. nauk; VASIL'KOV, N.P., kand. ekon. nauk; VAL'KOV,
V.V., kand. ekon. nauk; KOLLONTAY, V.M., kand. ekon. nauk;
ETINGER, Ya.Ya., kand. ekon. nauk; DALIN, S.A., kand. ekon. nauk;
PUSHKIN, A.A., mlad. nauchnyy sotrud.; MOROZOV, V., red.;
MOSKVINA, R., tekhn. red.

[Economic problems of the "Common Market."]Ekonomicheskie prob-
lemy "Obshchego rynka." Moskva, Sotsekgiz, 1962. 510 p.

(MIRA 16:3)

1. Akademiya nauk SSSR. Institut mirovoy ekonomiki i mezhdunarod-
nykh otnosheniy. 2. Institut mirovoy ekonomiki i mezhdunarodnykh
otnosheniy Akademii nauk SSSR (for all except Morozov, Moskvina).
(European Economic Community)

BEZUGLYY, N.A.; GALKIN, A.A.; PUSHKIN, A.I.

Magnetoacoustic oscillations and the Fermi surface in aluminum.
Zhur.eksp. i teor. fiz. 44 no.1:71-79 Ja '63. (MIRA 16:5)

1. Fiziko-tekhnicheskiy institut nizkikh temperatur AN UkrSSR.
(Ultrasonic waves) (Fermi surfaces) (Aluminum)

BEZUGLYY, P.A.; GALKIN, A.A.; PUSHKIN, A.I.; KHOMCHENKO, A.I.

Magnetoacoustic resonance in aluminum. Zhur.eksp.i teor.fiz.
42 no.1:84-85 Ja '62. (MIRA 15:3)

1. Fiziko-tekhnicheskiy institut nizkikh temperatur AN
Ukrainskoy SSR.
(Nuclear magnetic resonance and relaxation) (Aluminum)

45361

S/056/63/044/001/015/067
B103/B180

24,700

AUTHORS: Bezuglyy, N. A., Galkin, A. A., Pushkin, A. I.

TITLE: Magneto-acoustic oscillations and the Fermi surface in aluminum

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 44, no. 1, 1963, 71 - 79

TEXT: The anisotropy of the magneto-acoustic oscillations in aluminum was studied by a method described by A. A. Galkin, A. P. Korolyuk, PTE, 6, 199, 1959, to get information of the Fermi surface (V. L. Gurevich, ZhETF, 37, 71, 1959). Small aluminum disks were examined at 4.2°K at ultrasonic frequencies of 183 and 223 Mcps in magnetic fields of up to 2500 oo. The sound wave vector was directed along the principal crystallographic axes [110], [100], [111]. The results showed the shape and dimensions of the second zone to be in good agreement with the Fermi surface proposed by W. A. Harrison (Phys. Rev., 116, 555, 1959; 118, 1882, 1960; 118, 1190, 1960) who used the model of almost free electrons. They also show that there are no sharp intersections on the surface of the second zone. In a previous paper (ZhETF, 42, 84, 1962), slower magneto-
Card 1/2

Magneto-acoustic oscillations and ...

S/056/63/044/001/015/067
B108/B180

acoustic oscillations were observed. A study of their anisotropy may throw light upon the structure of the third zone. There are 9 figures.

ASSOCIATION: Fiziko-tekhnicheskiy institut nizkikh temperatur Akademii nauk Ukrainskoy SSR (Physicotechnical Institute of Low Temperatures of the Academy of Sciences Ukrainskaya SSR) +

SUBMITTED: July 21, 1962

Card 2/2

PUSHKIN, A.I.

B'ZUGLY, P.A., GALKIN, A.S., PUSHKIN, A.I.

"Magnetoacoustic oscillations and Fermi surface in aluminum."

Report submitted for the 8th Intl. conference on Low Temperature Physics
London, England, 16-22 Sep 1962

FUSHKIN, Aleksandr Ivanovich; SHIRYAYEV, Dmitriy Vasil'yevich;
MYASNIKOV, A.A., red.; FILIMONOVA, A.I., red. izd-vs;
GRECHISECHEVA, V.I., tekhn. red.

[Theory and practice of paper dyeing] Teoriia i praktika
krasheniia bumagi. Moskva, Goslesbumizdat, 1962. 266 p.
(MIRA 15:10)

(Dyes and dyeing--Paper)

33998

S/056/62/042/001/013/048
B104/B102

24,1800 (1063, 1147, 1482)

AUTHORS:

Bezugliyy, P. A., Galkin, A. A., Pushkin, A. I.,
Khomchenko, A. I.

TITLE:

Magnetoacoustic resonance in aluminum

PERIODICAL:

Zhurnal eksperimental'noy i teoreticheskoy fiziki. v. 42,
no. 1, 1962, 84-86

TEXT: Single crystals (10 mm in diameter and 2 mm thick) were grown from aluminum, for which $R_{4.2^\circ K/R_{2930K}} = 6.7 \cdot 10^{-5}$. Using a pulse technique (A. A. Galkin, A. P. Korolyuk, PTE, 6, 199, 1960), the dependence of the absorption coefficient for longitudinal ultrasonic waves of 200 Mc/sec on the magnetic field strength was studied at field strengths of up to 4000 oe and at 4.2°K. An ultrasonic crystal attenuator was interposed in addition to the specimen between the receiving and the emitting piezo-electric crystal in order to separate the acoustic pulses accurately. The ultrasonic wave vector was parallel to the [111] direction of the single crystal with a maximum error of 5°. The magnetic field was always perpendicular to the wave vector. The transmission coefficient was

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33998
S/056/62/042/001/0-3/048
B104/B102

Magnetoacoustic resonance in aluminum

determined by a recorder as a function of the magnetic field strength. Two oscillation periods were detected in the inverse field:
 $\nu\Delta H^{-1} \approx 6 \cdot 10^4 \text{ sec}^{-1} \text{ oe}^{-1}$ and $\nu\Delta H^{-1} \approx 32 \cdot 10^4 \text{ sec}^{-1} \text{ oe}^{-1}$. The anisotropy in the oscillation effects was examined, and three periods in an approximate ratio of 1:3:6 were established in a number of directions. The three different periods are attributed to the three electron groups with different effective masses, which have been detected by other scientists in testing aluminum with cyclotron resonance (D. N. Langenberg, T. W. Moore, Phys. Rev. Lett., 3, 137, 1959; E. Fawcett, Phys. Rev. Lett., 3, 139, 1959). In this way, the Fermi limiting velocities can be determined by a joint investigation of magnetoacoustic and cyclotron resonances. The results do not contradict W. A. Harrison's model of the Fermi surface of aluminum (Phys. Rev., 116, 555, 1959; 118, 1182, 1960; 118, 1190, 1960). A. F. Prihod'ko, Corresponding Member AS UkrSSR, is thanked for having made work with liquid helium possible, E. I. Ponomarenko for having developed the high-sensitive receiver and for assistance in the measurements and B. N. Aleksandrova for having prepared the high-purity aluminum. There are 1 figure and 10 references: 2 Soviet and

Card 2/3

33998

S/056/62/042/001/013/045
B104/B102

Magnetoacoustic resonance in aluminum

Non-Soviet. The four most recent references to English-language publications read as follows: B. W. Roberts. Phys. Rev., 119, 1889, 1960; T. Aisen, R. W. Morse. Bull. Amer. Phys. Soc., 4, 167, 1959; R. W. Morse, J. D. Gavenda. Phys. Rev. Lett., 2, 250, 1959; J. R. Neighbours, G. A. Alers. Phys. Rev. Lett., 2, 265, 1959.

ASSOCIATION: Fiziko-tekhnicheskii institut nizkikh temperatur Akademii nauk Ukrainskoy SSR (Physicotechnical Institute of Low Temperatures of the Academy of Sciences Ukrainskaya SSR)

SUBMITTED: August 4, 1961

X

Card 3/3

FUSHEV, A. I.

"Developing Methods for Preparing New Pigments for Vat Dyes for Polygraphic Inks." Cand Tech Sci, Moscow Polygraphic Inst, Moscow, 1954. (RZhKhim, No 5, Mar 55)

So: Sum. No 279, 27 Sept 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (15)

1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
PROCESSES AND PROPERTIES INDEX																			
25 CA Dyeing mixed fabrics of natural and delustered rayon. A. I. Pushkin, <i>Shelk</i> 9, No. 7, 20-33(1039); <i>Chem. Zentr.</i> 1940, I, 1108.—An extensive list of suitable dyes, and recipes for dye baths and dyeing conditions are given. H. F. Wirth																			
ASA-SLA METALLURGICAL LITERATURE CLASSIFICATION																			
1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									

PUSHKIN, A.M.

A device for the control of manometers from overloads of sharp pressure variations. Izv.tekh.no.5:54 S-O '55. (MIRA 9:1)

1.Slavgorodskiy zavod mekhanicheskikh pressov imeni 8 let Oktyabrya.
(Manometer)

PUSHKIN, A. N.

A vibration damper for manometer needles. Stan. i instr. 26
no. 10:36 0'55. (MLRA 9:1)

(Manometer--Vibration)

PUSHKIN, A.N.

A horizontal three-plunger pump. Vest.mash.35 no.7:27-28
J1'55. (MLRA 8:10)

(Pumping machinery)

PUSHKIN, A.N.

A three-plunger pump designed for hydraulic presses. Stan. 1 instr.
26 no.8:23-24 Ag'55. (MIRA 8:12)
(Pumping machinery) (Hydraulic presses)

COUNTRY : USSR
 CATEGORY : Cultivated Plants - Industrial, Oleiferous, Sugar. M
 TITLE : Flax, 1941, No. 6990
 Author : Isaev, S. S.
 Inst. : Tadzhik Scientific Research Institute of Agriculture.
 TITLE : Selection of Oleiferous Flax for its Twofold Utilization.

1930, 1931 : Byrd, Naumov-Ioslin, Inform. Tdzhik. n.-i., in-8 format.,
1931, No. 1, 20-22
1932 : " 1/2 of the grain-like seedings of chestnuts that
are concentrated in Turkistan. The proportion of flax
sewing among agricultural crops has grown from 2.1% in
1917 to 13.4% at the present time. Flax is cultivated
primarily under the conditions of dry farming. By means
of correctly assorted components in combination with sub-
sequent breeding and selection, Tadzhik Institute of agri-
culture secured forms highly productive in regard to the
seeds, which also have long stems (the height is 170%
greater than that of the control). However, nothing is
yet known concerning the securing of these characteristics
in offspring. — Dr. Z. Deydyl'berg

VINOGRADOV, A.; GAPONOV, V.; VOLOSHIN, A., inzh.; PUSHKIN, D., instruktor;
IGNATENKO, N.; IVANOV, A.; MALANCHENKO, I.; BUBLEY, Ye.; SHABAD, M.

Readers' letters. NTO 3 no.8:54-55 Ag '61. (MIRA 14:9)

1. Chlen byuro avtodorozhnoy sekti Leningradskogo oblastnogo pravleniya Nauchno-tekhnicheskogo obshchestva gorodskogo khozyaystva i avtotransporta (for Gaponov). 2. Tsentral'noye pravleniye Nauchno-tekhnicheskogo obshchestva mukomol'noy i krupyanoy promyshlennosti i elevatornogo khozyaystva (for Pushkin). 3. Predsedatel' Belgorodskogo oblastnogo pravleniya Nauchno-tekhnicheskogo obshchestva pishchevoy promyshlennosti (for Ignatenko). 4. Predsedatel' soveta pervichnoy organizatsii Nauchno-tekhnicheskogo obshchestva "Len-energo" (for Shabad).

(Technological innovations)

PUSHKIN, D.

Volunteer design office at the Gomel' Milling Combine. Muk.-
elev.prom. 29 no.1:12 Ja '63. (MIRA 16:4)

1. TSentral'noye pravleniye Nauchno-tekhnicheskogo obshchestva
mukomol'noy i krupyanoy promyshlennosti i elevatornogo
khozyaystva.

(Gomel'--Flour mills)

SOLOV'YEV, I.; TSEKHANOVSKIY, A. (Timiryazovo, Tomskoy obl.);
LAVROV, D.; SIROTYUKOV, V.; KOSTYUKOV, V.; KOTLYARSKIY, F.
(Chelyabinsk); PERUKHAYAN, V. (Chelyabinsk); SHILER, G.;
RYABSKIY, N.; PUSHKIN, D., instruktor; SHASTIN, V. (Al'met'yevsk)

Reader's letters. NTO 3 no.9:56-59 S '61.

(MIRA 14:8)

1. Uchenyy sekretar' dorozhnogo pravleniya Tashkentskoy zheleznoy dorogi (for Solov'yev).
2. Uchenyy sekretar' podsektzii tekhniki bezopasnosti Moskovskogo oblastnogo pravleniya Nauchno-tekhnicheskogo obshchestva stroitel'noy industrii (for Lavrov).
3. Chleny Nauchno-tekhnicheskogo obshchestva Novocherkasskogo elektrovozostroitel'nogo zavoda (for Sirot'yukov, Kost'yukov).
4. Predsedatel' soveta Nauchno-tekhnicheskogo obshchestva upravleniya legkoy i pishchevoy promyshlennosti sovnarkhoza, g. Karaganda (for Shiler).
5. Chlen prezidiuma Moskovskogo gorodskogo pravleniya Nauchno-tekhnicheskogo obshchestva neft-yanoy i gazovoy promyshlennosti (for Ryabskiy).
6. Tsentral'noye pravleniye Nauchno-tekhnicheskogo obshchestva mukomol'noy i krupyanoy promyshlennosti i elevatornogo khozyaystva, g. Gomel' (for Pushkin).

(Research, Industrial)

PUSHKIN, D., instruktor

Public institute of advanced experience. NTO 3 no.3:49 Mr '61.

(MIRA 14:3)

1. TSentral'noye pravleniye Nauchno-tekhnicheskogo obshchestva
mukomol'noy i krupyanoy promyshlennosti i elevatornogo khozyaystva.
(Odessa--Flour mills—Technological innovations)

PUSHKIN, D.

Trade-union group of the tractor brigade. Sev.profseiusy 3 no.10:
53-55 0 '55. (MIRA 9:1)

1. Instruktor Tsentral'nogo komiteta profsoyusa rabochikh i sluzha-
shchikh sel'skogo khozyaystva i sovetov.
(Machine-tractor stations)

POPOV, A.F.; PUSHKIN, D.L.; ANTIPIN, L.M.; MAL'KOV, S.V.

Airtight centrifuge for removing finely dispersed solid
impurities from liquids. Khim. prom. no.5:389-390 My '63.
(MIRA 16:8)

PUNKIN, G. V., NIKITIN, S. Y., YEROMANOV, V. A., GRIGOR'YEV, V. K.,
VISHNEVSKIY, M. E., and TREBUNHOVSKIY, Yu. V., AS USSR,
Moscow

"ON the Polarization of Electrons in β -Decay," Journal of
Nuclear Physics, Amsterdam, No. 4., pp 240-247, 1957.

GALKIN, M.N., kand. tekhn. nauk, dotsent; TARASUTIN, T.G., inzh.;
PUSHKIN, I.L.

Thermophysical properties of materials. Trudy MATI no. 58:81-99
v63 (MIRA 17:3)

ACCESSION NR: AT4019718

S/2536/63/000/058/0081/0099

AUTHOR: Galkin, M. N. (Candidate of technical sciences, Docent); Tarasutin, T. G. (Engineer); Pushkin, I. L. (Engineer)

TITLE: Thermophysical properties of materials

SOURCE: Moscow. Aviats. tekhn. institut. Trudy*, no. 58, 1963. Teploobmen pri lit'ye vy*zhimaniyem (Heat transfer during squeeze casting), 81-99

TOPIC TAGS: casting, squeeze casting, steel casting, heat conduction, thermal conductivity, core material, mold wash, core parameter, thermophysical property

ABSTRACT: The flow, cooling and hardening of alloys can readily be regulated during squeeze casting, but thin-walled castings of high quality can only be obtained with strict regulation of thermal and hydrodynamic conditions. In the present paper, assuming that the core material is homogeneous, the authors present a simple experimental technique for determining the principal thermophysical constants of cores and mold washes, as well as the heat capacity and latent heat of solidification of alloys. By the method of pouring metal into molds, the authors derive a relationship between the principal parameters of a and b cores, prepared from wet sand, self-hardening and quick-drying materials, and their density and moisture content or the concentration of binder. The experimental data are shown

Cord

1/2

ACCESSION NR: AT4019718

in the form of nomograms which permit rapid selection of the appropriate coefficients. In the same way, the authors investigated the thermal conductivity of various washes and the relationship between this value and the number of casting operations. It was found that the thermal conductivity increases with the number of castings, rising particularly sharply after the first one. This increase in thermal conductivity is the result of both an increase in heat conduction and a decrease in thickness. This technique for the experimental determination of the true and average heat capacity and latent heat of solidification simplifies practical tests and increases their accuracy. Orig. art. has: 15 figures, 2 tables and 24 formulas.

ASSOCIATION: Aviat. tekhn. inst., Moscow (Institute of Aviation Technology)

SUBMITTED: 00

DATE ACQ: 23Mar64

ENCL: 00

SUB CODE: MM, TD

NO REF SOV: 006

OTHER: 000

Card 2/2

PUSHKIN, M.

~~High grade.~~ Izobr. v SSSR 2 no.3:36-41 Mr '57.
(Moscow--Machine-tool industry)

(MIRA 10:3)